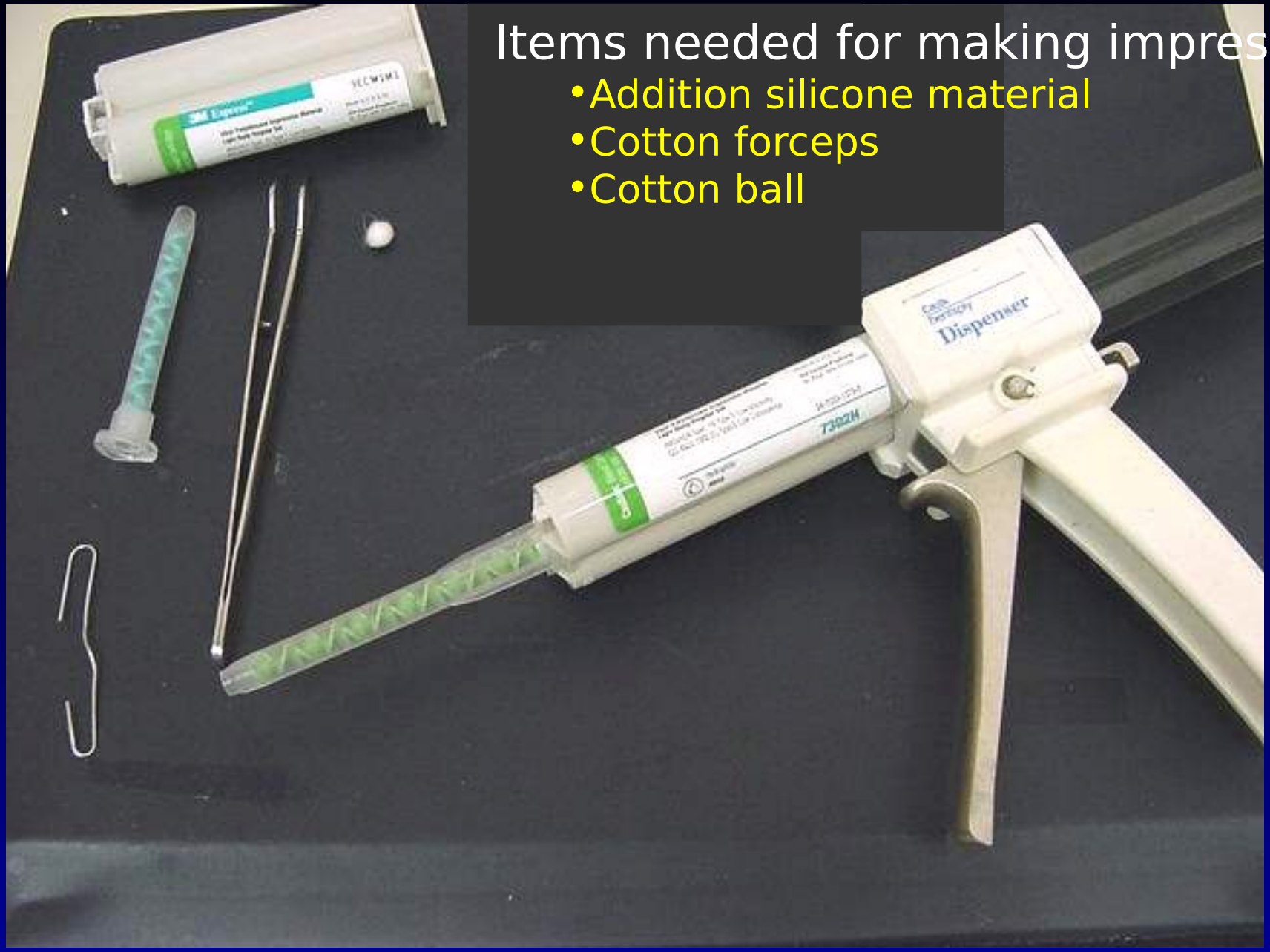
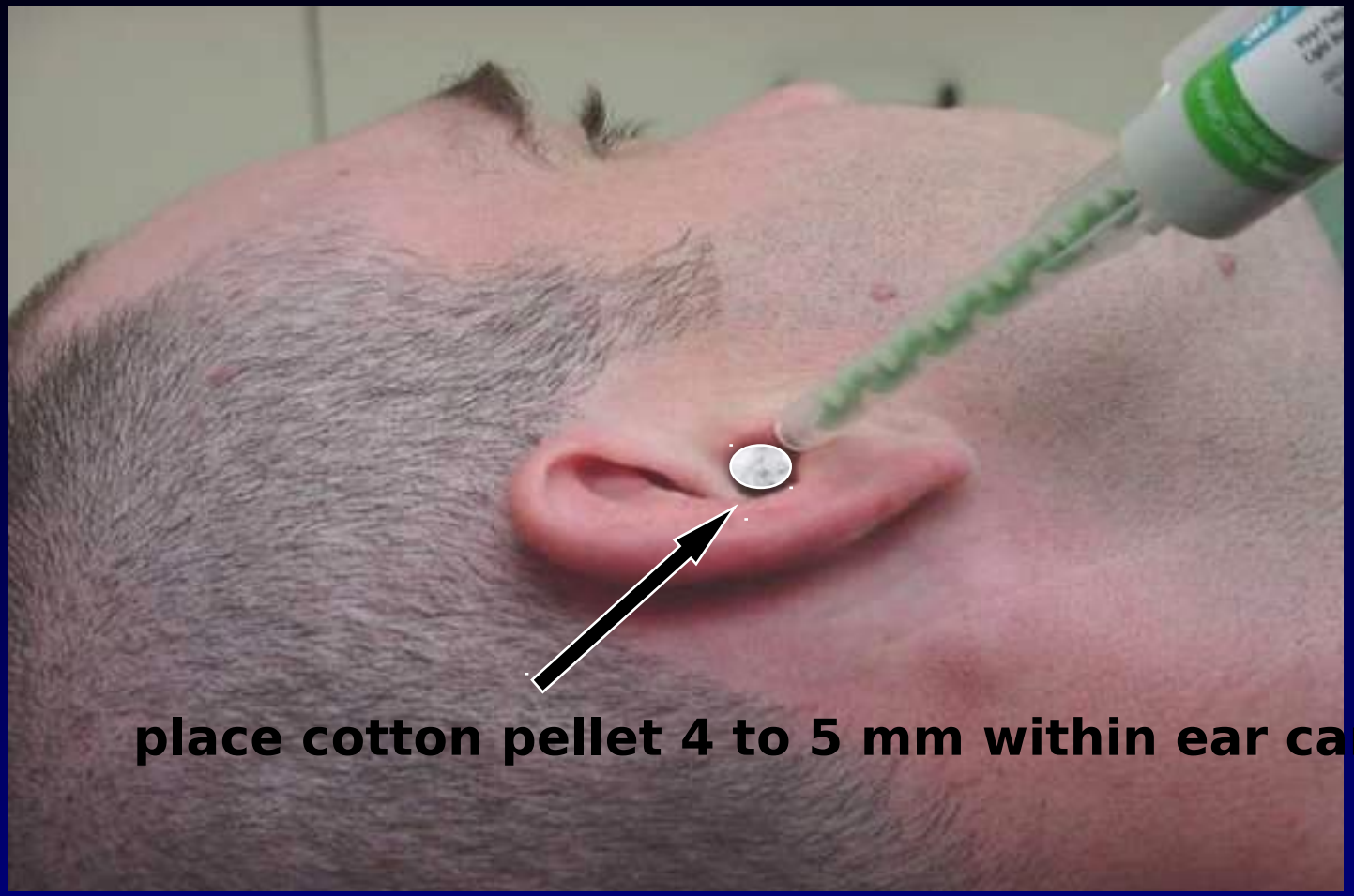
Custom Earpiece and Face Mask Fabrication

A Different Dental Mission

Custom Earpieces

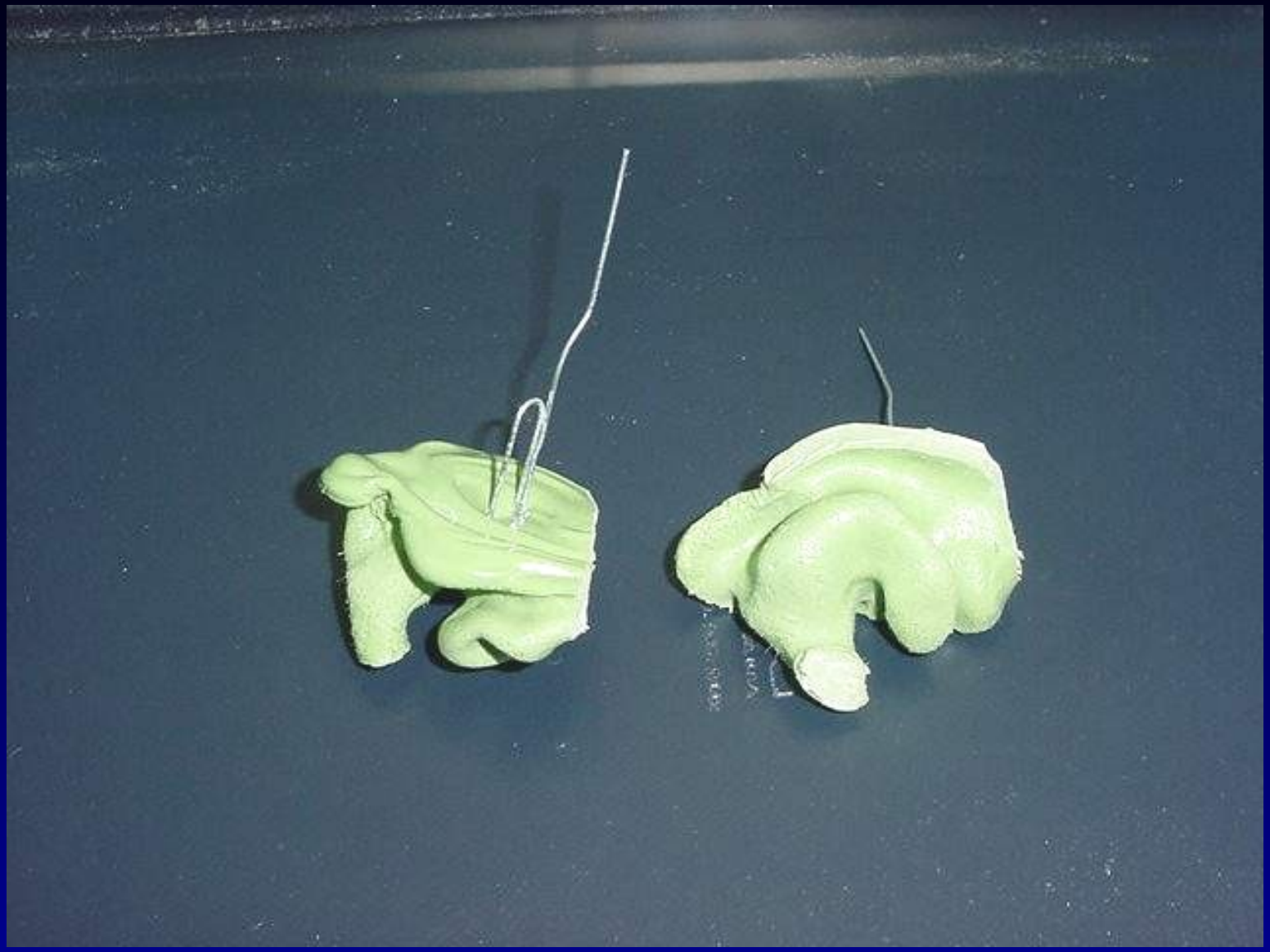
- Why Custom Earpieces?
  - Better sound isolation
  - Greater comfort
  - Noise suppression
  - Air traffic controllers, selected pilots, medical personnel


Items needed for making impressio
•Addition silicone material
•Cotton forceps
•Cotton ball
Dispenser

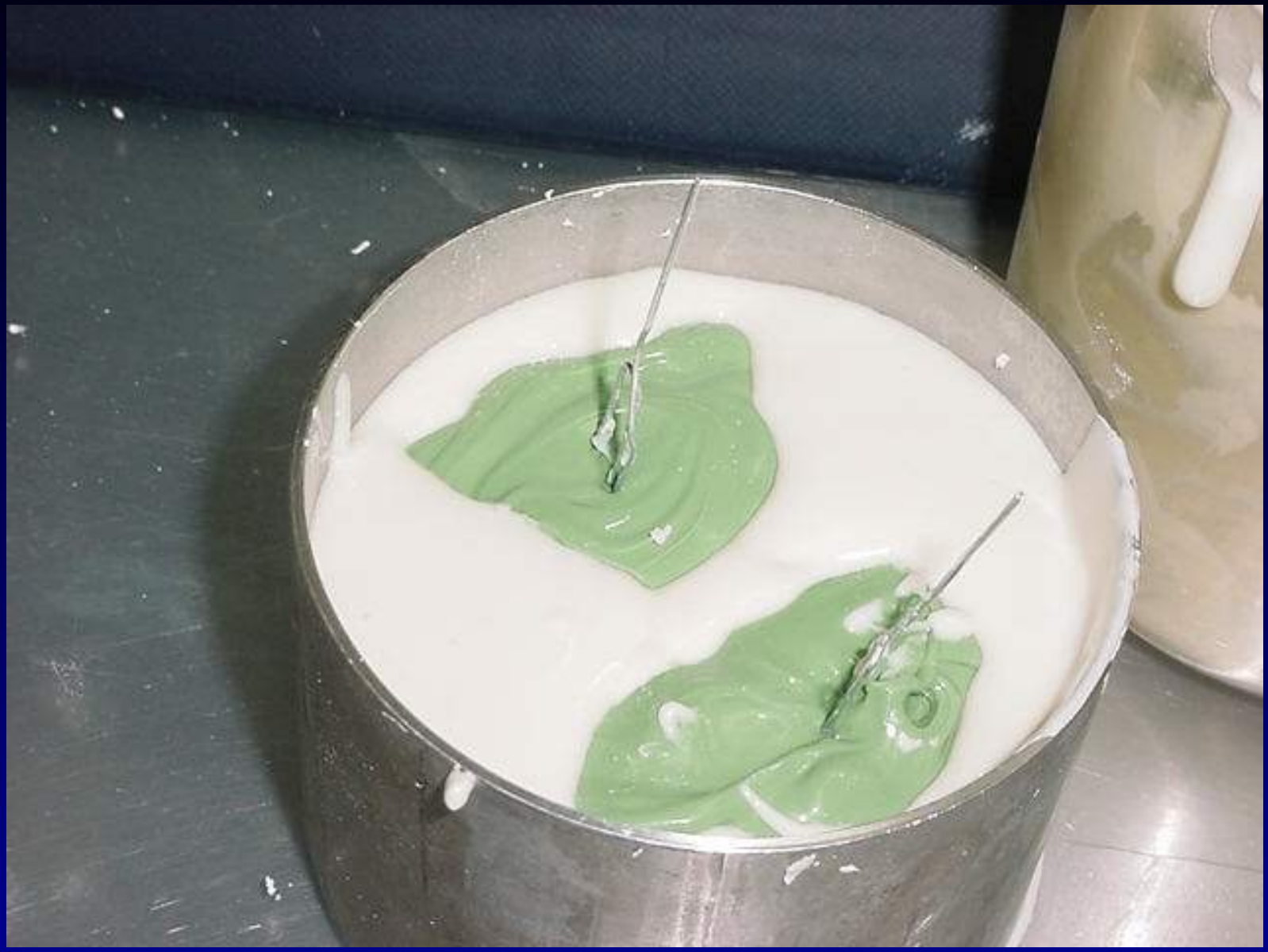


Note: an impression tip is not shown but should be used to minimize air entrapment and facilitate precise placement of the impression material

Insert paper clip into impression before it sets



Mix alginate using manufacturer’s recommended powder/water ratio



Alternatively, a paper cup can be used to retai the alginate when making a mold of each impression

- place the impression in the cup; should have 6 mm of clearance around the impression
- mix 2 scoops of alginate to 100 mL of water
- apply alginate first to impression
- pour the remaining alginate into the cup and seat the impression
- outer portion of impression should be flush with top of alginate

Use clear orthodontic cold-cure acrylic; mix using 2 to 1 polymer/monomer for a runny mix that is pourable

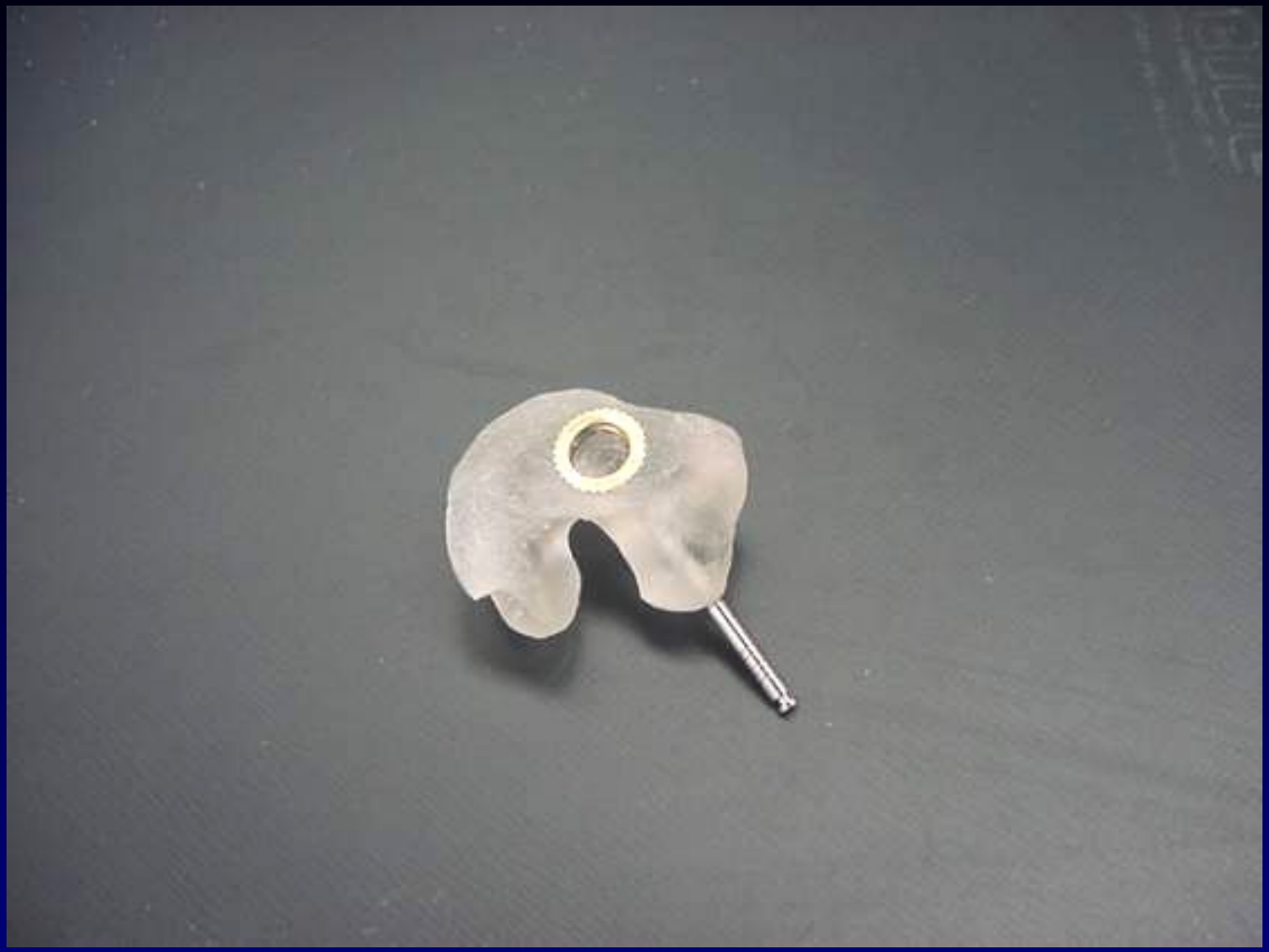
CAUTION

earmold ring & spring
male adapter
standard IV tubing

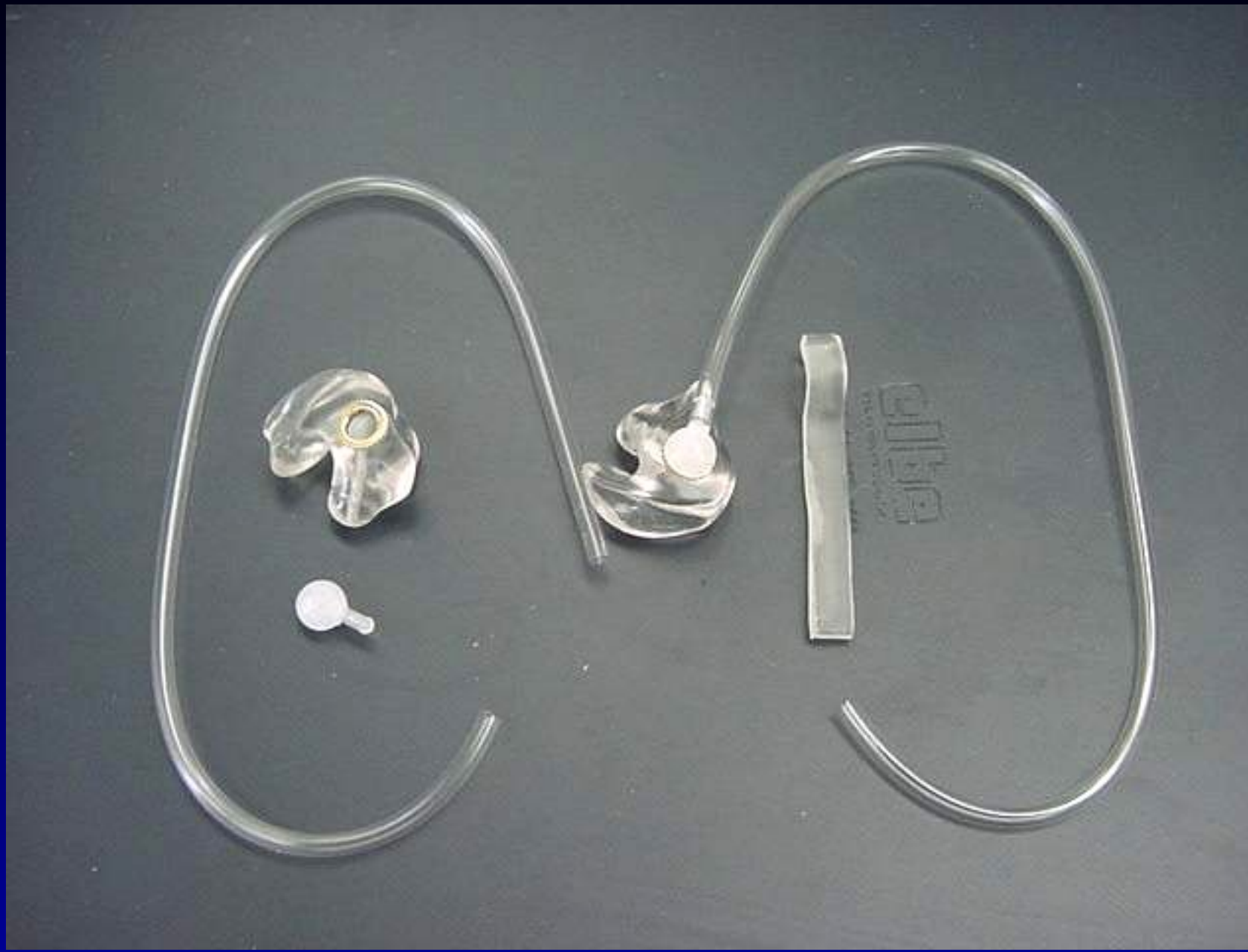
Hal-Hen Company: source for parts (1-800-242-5436)

- Male adapter, item #219
- Earmold ring and spring, item #226

BUG



Sound channel is created with #6 or #8 round bur from end of canal to earmold ring region



CUSTOM FACE MASKS

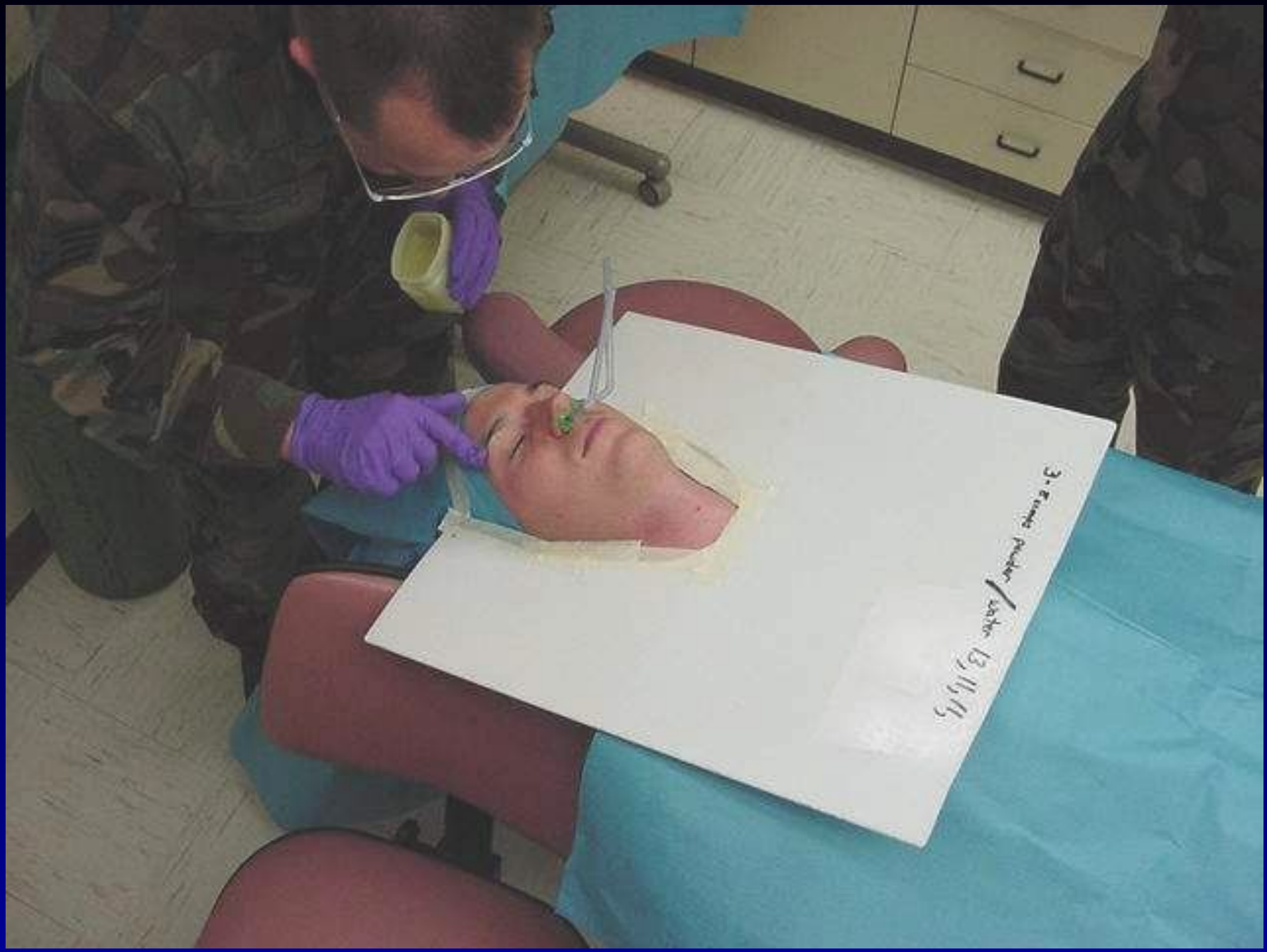
- Why Custom Masks?
  - Oxygen masks for jet pilots
  - Small nose or face, large nose or face
  - Improper face seal of flight mask
  - Stocked in universal sizes only

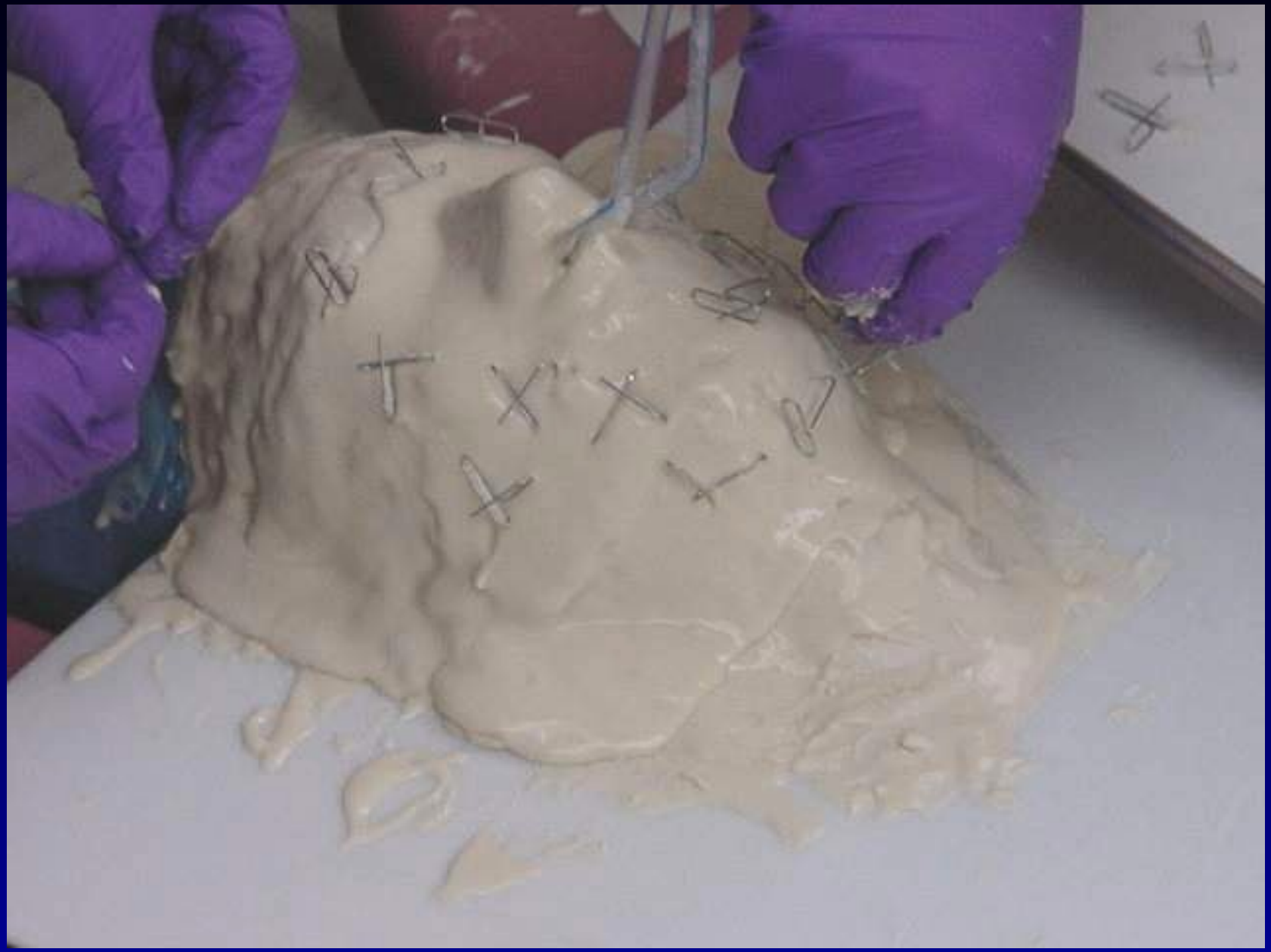
Vaseline

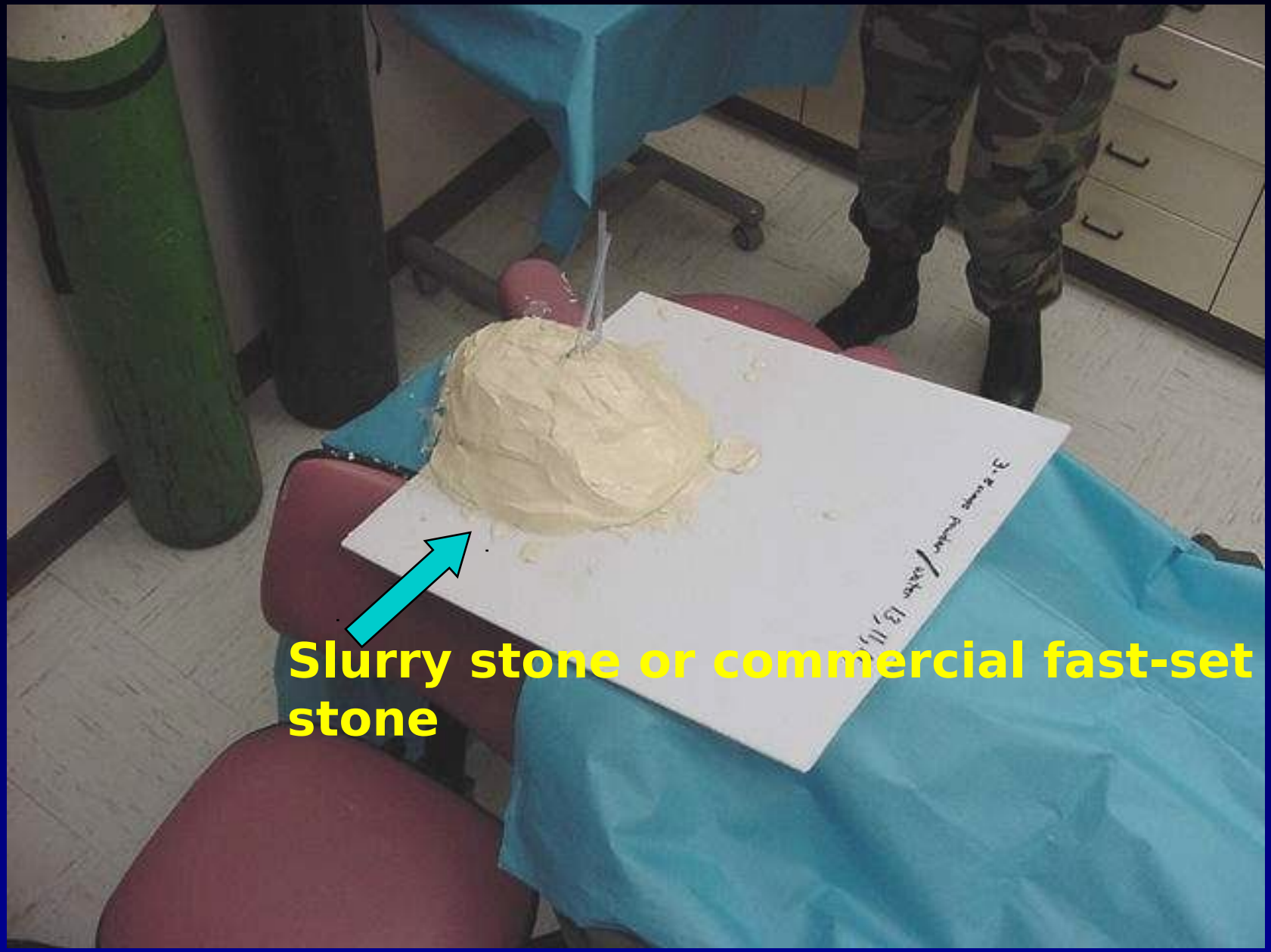
Jeltrate Plus
Vaseline
Vaseline

Press For Water

Landmarks needed in impression: hairline, break in skin at fold of neck, angles of mandible


3. Exam Room / Date 12/15/15




Slurry stone or commercial fast-set stone

READY TO USE

Mail Cast To:

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Wright-Patterson AFB OH 45433
attn: TSgt Ooten
DSN 785-4566

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This slide presentation was provided to DIS by Lt Col Ronald A. Abbott, Vance AFB OK

QUESTIONS?